



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

10/606,510

Source:

DiPe

Date Processed by STIC:

8-6-03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003



OIPE

## RAW SEQUENCE LISTING

DATE: 08/06/2003

PATENT APPLICATION: US/10/606,510

TIME: 08:38:01

Input Set : A:\ISIC0010-100.txt

Output Set: N:\CRF4\08062003\J606510.raw

```

3 <110> APPLICANT: Manoharan, Muthiah
5 <120> TITLE OF INVENTION: Cross-Linked Oligomeric Compounds and Their Use in Gene
6   Modulation
8 <130> FILE REFERENCE: ISIC-0010.100
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/606,510
C--> 10 <141> CURRENT FILING DATE: 2003-06-26
10 <160> NUMBER OF SEQ ID NOS: 9
12 <170> SOFTWARE: PatentIn version 3.2
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 21
16 <212> TYPE: DNA
17 <213> ORGANISM: Artificial Sequence
19 <220> FEATURE:
20 <223> OTHER INFORMATION: oligonucleotide
22 <400> SEQUENCE: 1
23 cgagaggcgg acgggaccgt t                               21
26 <210> SEQ ID NO: 2
27 <211> LENGTH: 21
28 <212> TYPE: DNA
29 <213> ORGANISM: Artificial Sequence
31 <220> FEATURE:
32 <223> OTHER INFORMATION: oligonucleotide
34 <400> SEQUENCE: 2
35 ttgctctccg cctgccctgg c                               21
38 <210> SEQ ID NO: 3
39 <211> LENGTH: 11
40 <212> TYPE: DNA
41 <213> ORGANISM: Artificial Sequence
43 <220> FEATURE:
44 <223> OTHER INFORMATION: oligonucleotide
47 <220> FEATURE:
48 <221> NAME/KEY: modified_base
49 <222> LOCATION: (6)..(6)
50 <223> OTHER INFORMATION: Base at position 6 is 2'-O-(pentylamino) adenosine
52 <400> SEQUENCE: 3
W--> 53 ggctgncctgc g                                     11
55 <210> SEQ ID NO: 4
56 <211> LENGTH: 11
57 <212> TYPE: DNA
58 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: oligonucleotide
64 <220> FEATURE:

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**Does Not Comply  
Corrected Diskette Need d**

RAW SEQUENCE LISTING  
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Output Set: N:\CRF4\08062003\J606510.raw

```

65 <221> NAME/KEY: modified_base
66 <222> LOCATION: (6)..(6) position
67 <223> OTHER INFORMATION: Positon 6 is an abasic site.
69 <400> SEQUENCE: 4
W--> 70 cgcagncagc c 11
73 <210> SEQ ID NO: 5
74 <211> LENGTH: 31
75 <212> TYPE: RNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: oligonucleotide
82 <220> FEATURE:
83 <221> NAME/KEY: modified_base
84 <222> LOCATION: (12)..(12)
85 <223> OTHER INFORMATION: Base at position 12 is 2'-O-(pentylamino) adenosine
88 <220> FEATURE:
89 <221> NAME/KEY: modified_base
90 <222> LOCATION: (26)..(26) Incorrect position: "N" is located pos 23
91 <223> OTHER INFORMATION: Base at position 26 is 2'-O-[propion-4-al bis
92 (o-nitrophenyl) acetyl] uridine
94 <400> SEQUENCE: 5
W--> 95 agccagaucu gngccuggga gcncucuggc u 31
98 <210> SEQ ID NO: 6
99 <211> LENGTH: 30
100 <212> TYPE: RNA
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: oligonucleotide
107 <220> FEATURE:
108 <221> NAME/KEY: modified_base
109 <222> LOCATION: (1)..(1) position
110 <223> OTHER INFORMATION: Base at positon 1 is 2'-O-[S-trityl (hexyl-8-thiol)] adenine
113 <220> FEATURE:
114 <221> NAME/KEY: modified_base
115 <222> LOCATION: (30)..(30)
116 <223> OTHER INFORMATION: Base at position 30 is 2'-O-[S-trityl (hexyl-8-thiol)]
uridine
119 <400> SEQUENCE: 6
W--> 120 ngccagaucu gagccuggga gcucucuggn 30
123 <210> SEQ ID NO: 7
124 <211> LENGTH: 20
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial Sequence.
128 <220> FEATURE:
129 <223> OTHER INFORMATION: oligonucleotide
132 <220> FEATURE:
133 <221> NAME/KEY: misc_feature
134 <222> LOCATION: (1)..(3)
135 <223> OTHER INFORMATION: 2'-O-methoxyethyl modified bases
137 <220> FEATURE:

```

## RAW SEQUENCE LISTING

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Input Set : A:\ISIC0010-100.txt

Output Set: N:\CRF4\08062003\J606510.raw

```

138 <221> NAME/KEY: misc_feature
139 <222> LOCATION: (13)..(20)
140 <223> OTHER INFORMATION: 2'-O-methoxyethyl modified bases
142 <400> SEQUENCE: 7
143 tccgtcatcg ctccctcaggg                                     20
146 <210> SEQ ID NO: 8
147 <211> LENGTH: 20
148 <212> TYPE: DNA
149 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: oligonucleotide
155 <220> FEATURE:
156 <221> NAME/KEY: misc_feature
157 <222> LOCATION: (1)..(5)
158 <223> OTHER INFORMATION: 2'-O-methoxyethyl modified bases
160 <220> FEATURE:
161 <221> NAME/KEY: misc_feature
162 <222> LOCATION: (16)..(20)
163 <223> OTHER INFORMATION: 2'-O-methoxyethyl modified bases
165 <400> SEQUENCE: 8
166 gtgcgcgcga gcccgaaatc                                     20
169 <210> SEQ ID NO: 9
170 <211> LENGTH: 20
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: oligonucleotide
178 <220> FEATURE:
179 <221> NAME/KEY: misc_feature
180 <222> LOCATION: (1)..(5)
181 <223> OTHER INFORMATION: 2'-O-methoxyethyl modified bases
183 <220> FEATURE:
184 <221> NAME/KEY: misc_feature
185 <222> LOCATION: (16)..(20)
186 <223> OTHER INFORMATION: 2'-O-methoxyethyl modified bases
188 <400> SEQUENCE: 9
189 atgcattctg cccccaagga                                     20

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/606,510

DATE: 08/06/2003  
TIME: 08:38:02

Input Set : A:\ISIC0010-100.txt  
Output Set: N:\CRF4\08062003\J606510.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 6

Seq#:4; N Pos. 6

Seq#:5; N Pos. 12, 23

Seq#:6; N Pos. 1, 30

→ correct position

## VERIFICATION SUMMARY

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Input Set : A:\ISIC0010-100.txt

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L:10 M:270 C: Current Application Number differs, Replaced Current Application No  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:70 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0